

ABSTRACT OF THE DISCLOSURE

The present invention relates to an electrochemical cell suitable for a membrane electrolysis process, comprising (i) at least one anode compartment having a metal electrode, (ii) a cathode compartment having a gas diffusion electrode (iii) and an ion exchange membrane arranged between the anode compartment and the cathode compartment. The metal electrode that functions as an anode is capable of being dipped into an electrolyte during use and is provided with one or more orifices for the passage of gas formed during operation. The metal electrode can optionally be angled and/or curved, and the orifices preferably have guide structures that conduct the gas formed to a side of the metal electrode that faces away from the cathode. The present invention also relates to electrodes *per se* as well as methods for use of electrodes and electrochemical cells.